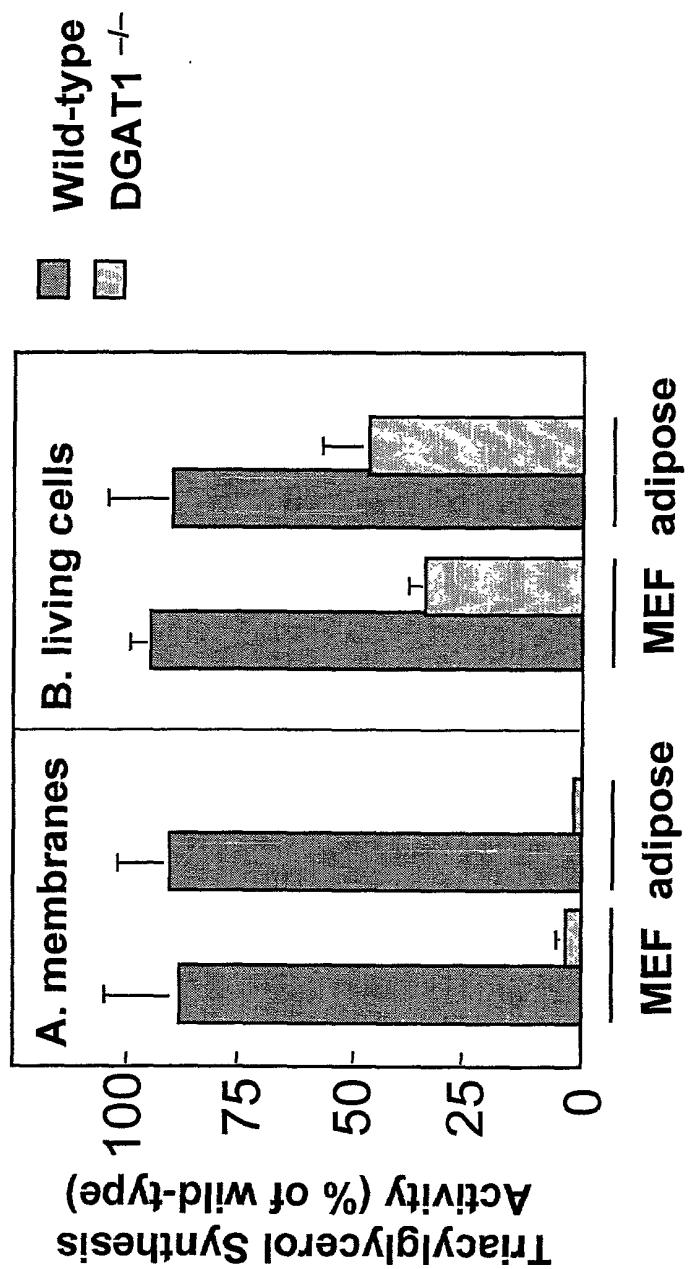


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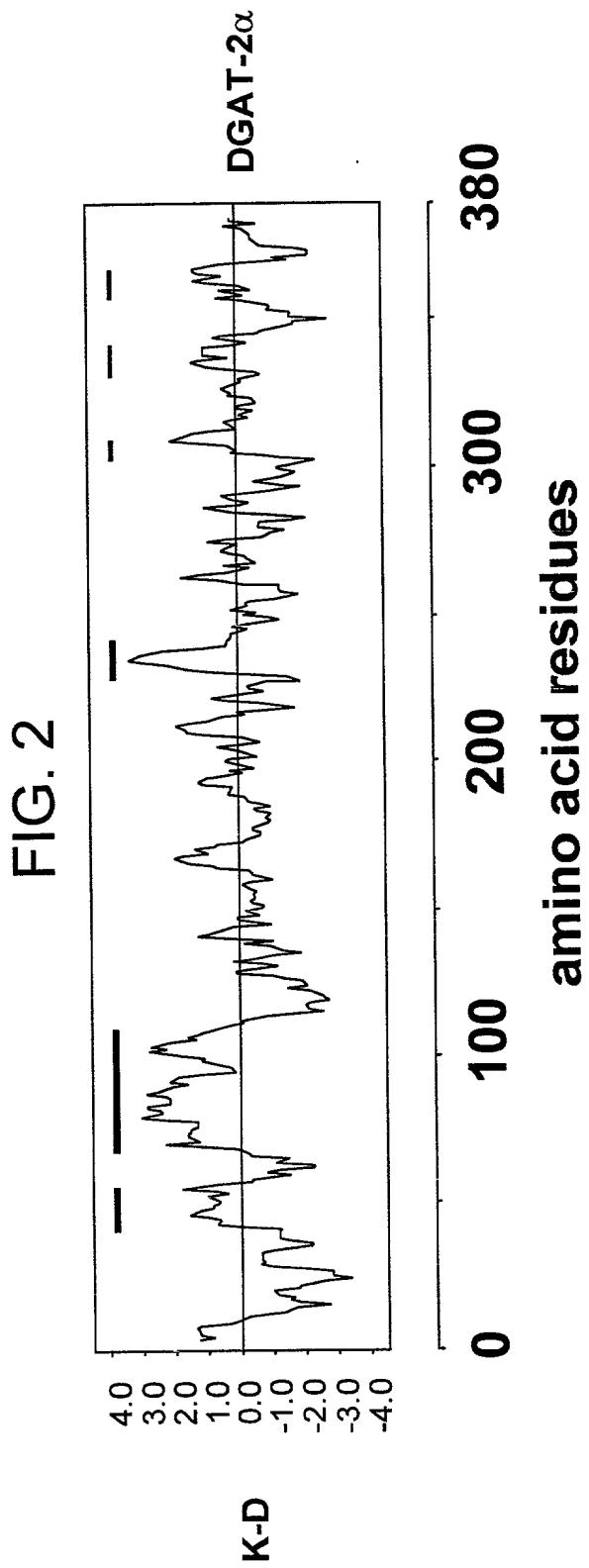
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FIG.



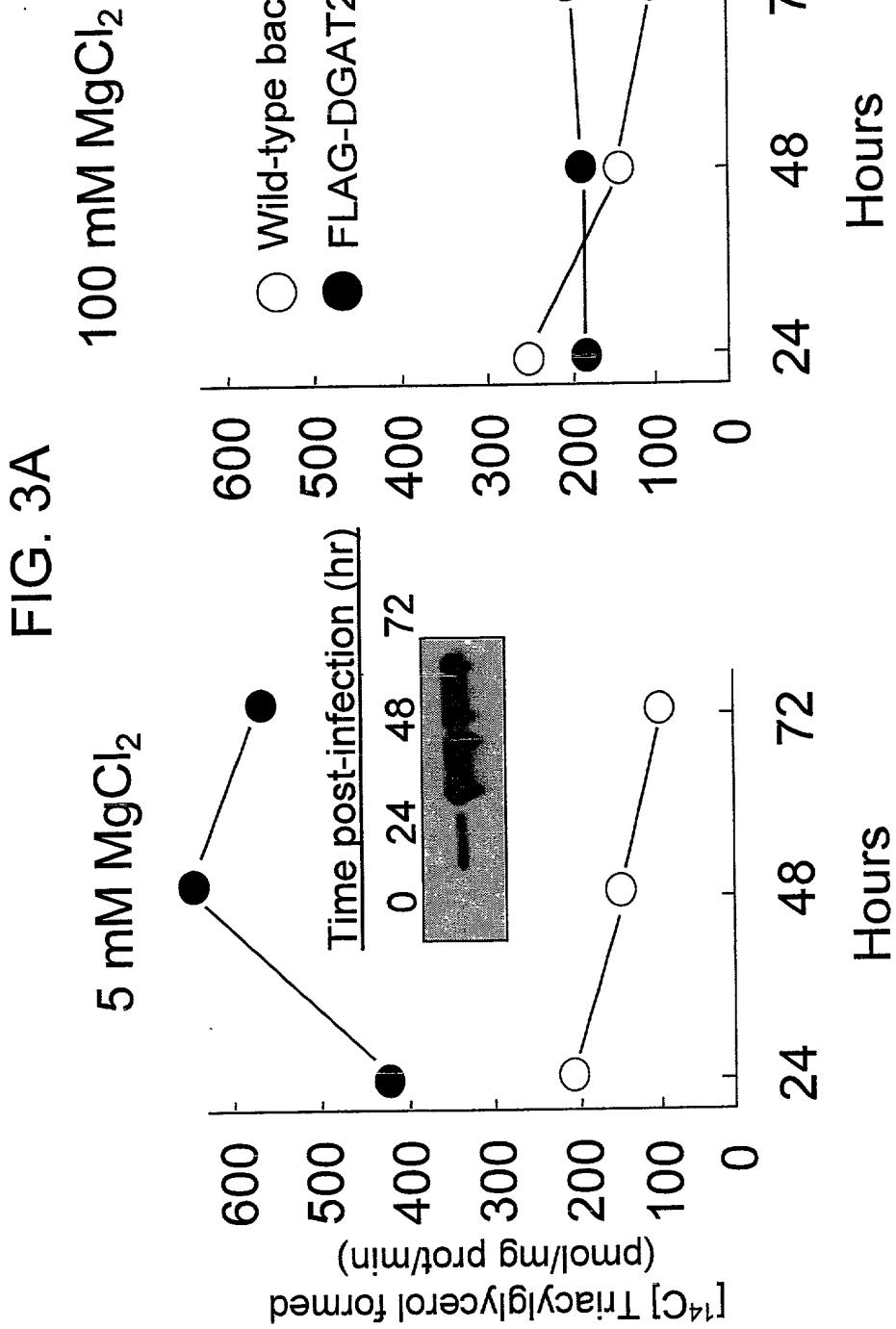
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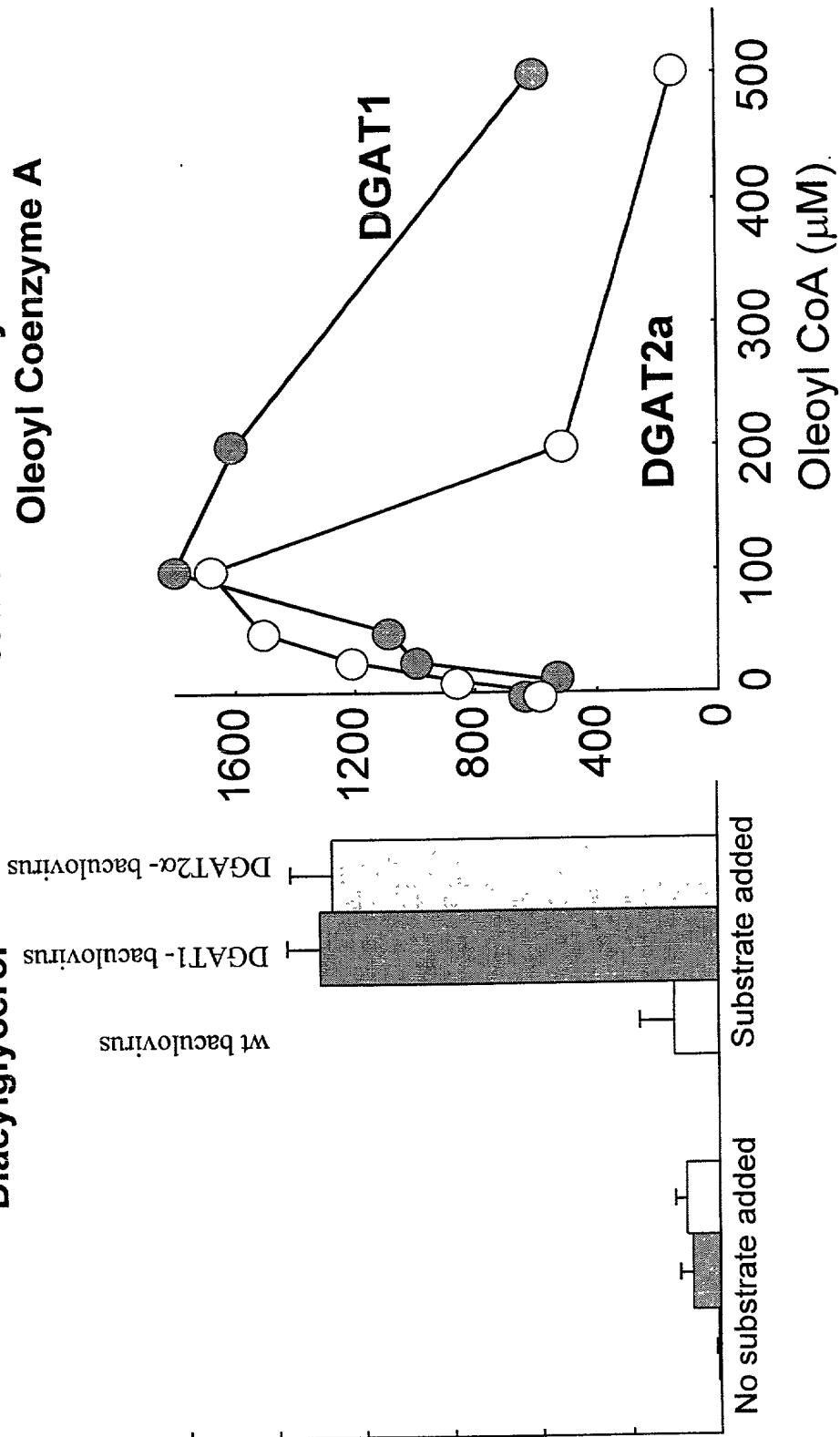


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FIG. 3B
B. DGAT2 α activity as a function of
Diacylglycerol

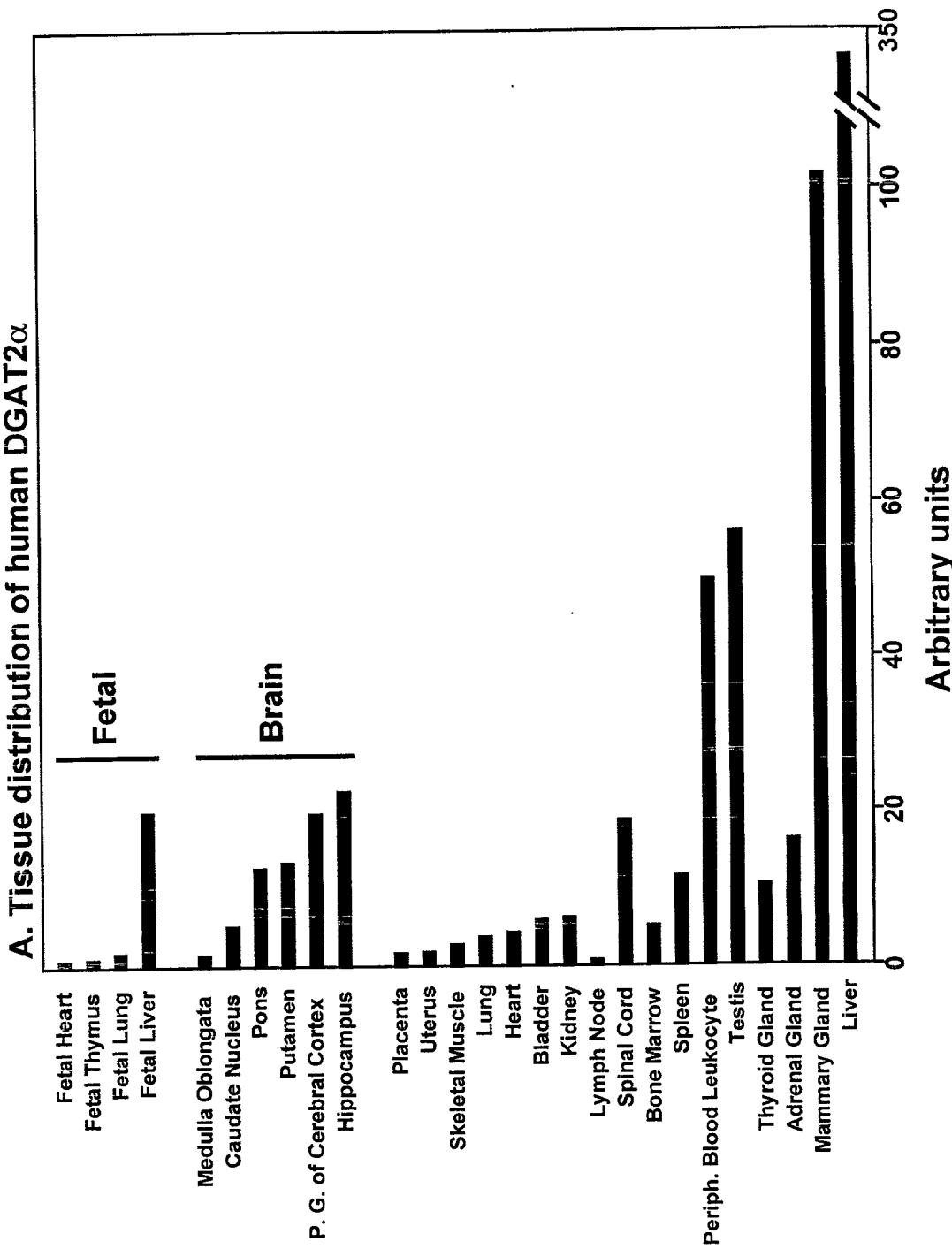
FIG. 3C
C. DGAT2 α activity as a function of
Oleoyl Coenzyme A



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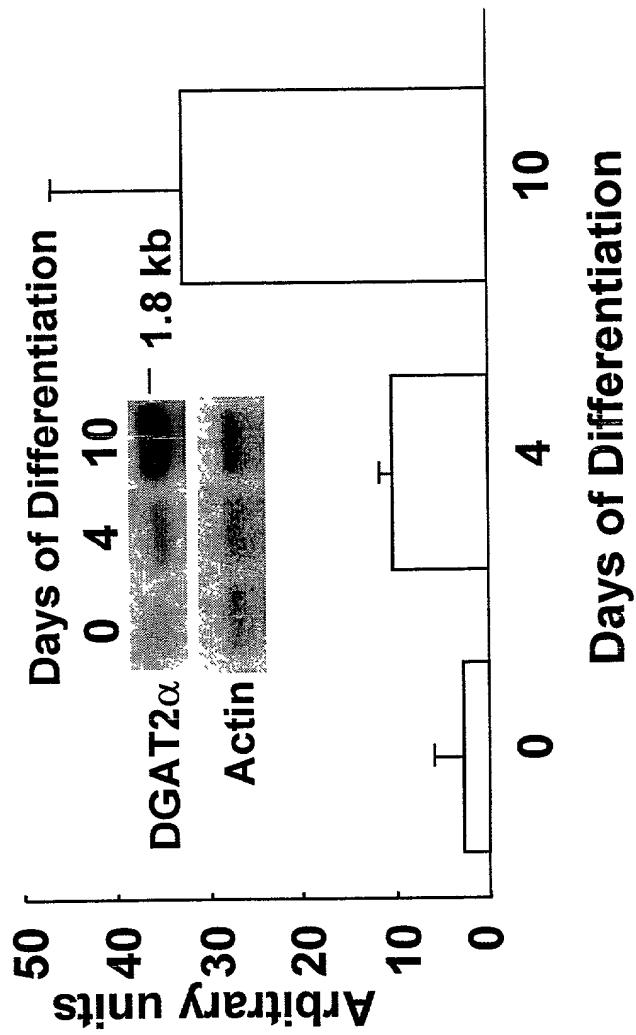
FIG. 4



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FIG. 5



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FIG. 6A

Mouse DGAT2 α amino acid sequence

MKTLIAAYSGVLRGERRAELPAAKNKNKGSALSREGSGRWGTGSSILSALQDIFSVTLNRSKVEKQLQV
ISVLQWVLSFLVLGVACSVILMYTFCTDCWLIAVLYFTWLAFDNTPKKGRRSQWVRNWAVWRYFRDYF
PIQLVKTHNLLTRNYIFGYHPHIMGLGAFCNFSTEATEVSKKPGIRPYLATLAGNFRMPVREYLMS
GGICLVRNDTIDYLLSKNGSGNAlIIVVGGAAESLSSMPGKNAVTLKNRKGFVKLALRHGADLVPTYSFG
ENEVYKQVIFEEGSWRWVKKFQKYIGFAPCIFHGRGLFSSDTWGLVPYSKIPITVVGEPITVPKLEHPT
QKDIDLYHAMYMEALVKLFDNHKTGFGLPETEVLEVN (SEQ ID NO:04)

FIG. 6B

Mouse DGAT2 α nucleic acid sequence

ATGAAGACCTCATGCCGCCACTCCGGGTCTGCGGGGTGAGCGTCGGCGGAAGCTGCCCGAGCGAA
AACAAAGAATAAAGGATCTGCCCTGTACCGCAGGGCTGGCGATGGGCACGGCTCCAGCATCCTCTCA
GCCCTCCAAGACATCTCTGTACCTGGCTAACAGATCYAAGGTGGAAAACAGCTGCAGGTACATCTCA
GTACTACAATGGGTCTATCCTCCTGGTCTAGGAGTGGCCTGCAGTGTACCTCATGTACACCTTCTGC
ACAGACTGCTGGCTGATAGCTGTCTACTTCACCTGGCTGGCATTGACTGGAACACGCCAAGAAAGGT
GGCAGGAGATCGCAGTGGTGCAGAAACTGGCGCTGGCGCTACTTCCGAGACTACTTCCCATCCAGCTG
GTGAAGACACACAAACCTGCTGACCACCAAGGAACATATCTTGGATACCACCCCATGGCATATGGCCTG
GGTGCCTCTGTAACTCAGCACAGAGGCTACTGAAGTCAGCAAGAAGTTCCGGCATAAGGCCCTATTG
GCTACGTTGGCYGGTAACCTCCGGATGCCGTGCTCGCAGTACCTGATGTCGGAGGCATCTGCCCTGTC
AACCGAGACACCATAGACTACTTGCTCTCAAGAATGGGAGTGGCAATGCTATCATCGTGGTGGAGGT
GCAGCTGAGTCCCTGAGCTCCATGCCCTGGCAAGAACGCAGTCACCCCTGAAGAACCGCAAAGGTTGTGAAG
CTGGCCCTGCCATGGAGCTGATCTGGTCCACTTATTCCCTTGGAGAGAATGAGGTATACAAGCAGGTG
ATCTTGAGGAGGGTCTGGGCCGATGGTCCAGAAGAAGTCCAGAAGTATATTGGTTCCGGCCCTG
ATCTTCCATGGCGAGGCCTCTCCTGACACCTGGGGCTGGTCCACTCCAAGGCCATCACCAC
GTCGTGGGGAGCCATCACTGTCCCCAAGCTGGAGCACCCAGAAAGACATCGACCTGTACCATGCC
ATGTACATGGAGGCCCTGGTGAAGCTTTGACAATCACAAGACCAATTGGCCTNCCAGAGACTGAGGTG
CTGGAGGTGAACTGA (SEQ ID NO:03)

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FIG. 7A

Human DAGT2 α amino acid sequence

MKTLIAAYSGVLRGERQAEADRSQRSHGGPALSREGSGRWGTGSSILSALQDLFSVTWLNRSKVEKQLQV
ISVLQWVLSFLVLGVACSAILMYIFCTDCWLIAVLYFTWLVDWNTPKKGGRRSQWVRNWAVWRYFRDYF
PIQLVKTHNLLTTRNYIFGYHPHGIMGLGAFCNFSTEATEVSKFKPGIRPYLATLAGNFRMPVLREYLM
GGICPVSRDTIDYLLSKNGSGNAIIVVGGAAEELSMPGKNAVTLRNRKGFKVLA
RHGADLVPISFG
ENEVYKQVIFEEGSWGRWVQKKFQKYIGFAPCIFHGRGLFSSDTWGLVPYSKPITT
VGEPIТИPKLEHP
TQQDIDLYHTMYMEALVKLFDKHKTKFGLPETEVLEVN (SEQ ID NO:02)

FIG. 7B

Human DAGT2 α nucleic acid sequence

TTCAGCCATGAAGACCCCTCATAGCCGCTACTCCGGGGTCTCGCGCGAGCGTCAGGCCGAGGCTGACCG
GAGCCAGCGCTCTCACGGAGGACCCGTGTCGCGCGAGGGGCTGGAGATGGGCACTGGATCCAGCATCCT
CTCGCCCTCCAGGACCTCTCTGTACCTGGCTCAATAGGTCCAAGGTGGAAAAGCAGCTACAGGT
CTCAGTGCCTCCAGTGGTCTGTCCCTCTGTACTGGAGTGGCCTGCAGTGCCTACCTCATGTACATATT
CTGCACTGATTGCTGGCTCATCGCTGTCTACTTCACTTGGCTGGTTGACTGAA
ACACACACCAAGAA
AGGTGGCAGGAGGTACAGTGGTCCGAAACTGGGCTGTGGCGCTACTTCGAGACTACTTCCC
CATCCA
GCTGGTGAAGACACACAA
CTGCTGACCA
CAGGAACTATATCTTG
GATACCC
ATGGTATCATGGG
CCTGGGTGCCTCTGCAACTTCAGCACAGAGGCCACAGAAGTGAGCAAGAAGT
CCAGGCATA
ACGGCCTTA
CCTGGCTACACTGGCAGGCAACTCCGAATGCCTGTTGAGGGAGTACCTGATGTCTGGAGGTATCTGCC
TGT
TCAGGCCGGACACC
ATAGACTATTGCTTTCAAAGAATGGGAGTGGCAATGCTATCATCGTGGTC
GGGTGCGGCTGAGTCTGTAGCTCCATGCCTGGCAAGAATGCAGTCACCC
TGCGGAACCGCAAGGGTTGT
GAAACTGCC
CTGCGT
CATGGAGCTGACCTGGT
CCCATCTACTC
CTTTGGAGAGAATGAAGTG
ACAAGCA
GGT
GATCTTGAGGAGGGCTCTGGGCC
GATGGTCC
CAGAAGAAGTTCC
AGAAATACATTGGTT
TCGCC
ATGCATCTTCC
CATGGTC
AGGCCT
CTTCTC
CTCGACAC
CTGGGGCT
GGTGCC
TACTCCA
AGCTGGAG
CACC
ACCCAG
CAAGAC
ATCG
ACCTGT
ACCA
CA
C
AC
CATGGAG
G
GGT
CCTGGAGGT
GA
CTGAG
CCAGC
CTGGGG
CCA
ATT
CC
CTGG
AGGA
ACC
AG
CTG
CAA
AT
C
ACT
TTTT
G
CTCTGTA (SEQ ID NO:01)

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FIG. 8A

Mouse DC2 amino acid sequence

MMVEFAPLNTPLARCLQTAAVLQWVLSFLLLVQVCIGIMVMLVLYNYWFLYIPYLVWFYYDWRTPEQGGR
RWNWVQSPWVWKYFKEYFPICLVKTQDLDPGHNYIFGFPHGIFVPGAFGNFCTKYSDFKKLFPGFTSYL
IVAKIWFCFPLFREYLMNSGPVSVSKESSLHVSLSKDGGNVSIIVLGGAKEALEAHPGFTLCIRQRKGF
VKMALTHGASLVPVFSFGENDLYKQINNPKGSLRTIQDAMYDSMGVALPLIYARGIFQHYFGIMPYRKL
IYTVVGRPIPQQILNPTSEQIEELHQTYLEELKKLFNEHKGKYGIPEHETLVFK (SEQ ID NO:06)

Mouse DC2 nucleic acid sequence

ATGATGGTCGAGTTCGCGCCACTCAACACCCGCTGGCACGGTGCCTACAGACCGCTGCGGTGCTGCAGTGG
GTCCTGTCCTTCCTCGCTCGAGGTGTGCATTGAAATTATGGTATGCTGGTCCTGTACAACATTGG
TTCCTTTACATCCCATACTGGTCTGGTTTACTATGACTGGAGAACCCAGAGCAAGGAGGCAGAAGATGG
AACTGGTCCAAAGCTGGCCTGTGAGTATTTAAGGAGTATTTCAATCTGCTTGTCAAAACGCAG
GATTTGGATCCGGTACAATTATATATTGGGTTTCACCCATGGAATTACCGTGCCTGGAGCCTTGG
AATTTTGTAACAAATACTCGGACTTCAGAAGCTATTCTGGCTTACATGTATCTCACGTGGCCAAG
ATCTGGTTCTGTTCCCGTTCTCGAGAATATCTGATGAGTAACGGGCGGTTCAAGTGTCTAAGGAGAGT
TTGTCATGTGCTGAGCAAGGATGGAGGTGGCAATGTCATCATTGTCCTCGGAGGTGCAAGGAGGCG
CTGGAGGCTCACCCAGGAACATTACCCCTGTGCATCCGCCAGCGCAAAGGGTTGTTAAGATGGCCTTGACC
CATGGTGCCAGTTGGTCCAGTATTTCTTTGGTAAAATGATCTATATAAGCAAATTAAACAACCCAAA
GGCTCCTGGCTACGAACATACAGCAGCAATGTATGATTCAATGGGAGTAGCCTGCCACTGATATATGCC
AGAGGAATTTCAGCACTACTTGGCATAATGCCCTATCGGAAGCTGATCTACACTGTTGGCCGCGCCT
ATCCCTGTTAGCAGATTCTGAACCCGACCTCAGAGCAGATTGAAGAGCTGCATCAGACATACTAGAGGAG
CTAAAGAAACTATTCAATGAACACAAAGGGAAATATGGGATTCCGGAGCACGAAACTCTGGTATTAAATAA
(SEQ ID NO:05)

Human DC2 amino acid sequence

MKVEFAPLNIQLARRLQTVAVLQWVLSFLTPMSIGITVMLIIHNYLFLYIPYLMWLYFDWHTPERGGR
SSWIKNWTLWKHFKDYFPIHLIKTQDLDPSHNYIFGFPHGIMAVGAFGNFSVNYSDFKDLFPGFTSYLH
VPLPLWFWCVPVFREYVMSVGLVSVSKSVSYMVSKEGGNISIVLGGAKESLDAHPGKFTLFIRQRKGFV
KIALTHGASLVPVVSFGENELEFKQTDNPEGSWIRTVQNKLQKIMGFALPLFHARGVFQYNFGLMTYRKA
HTVVGRPIPVRQTLNPTQEQIEELHQTYMEELRKLFEEHKGKYGIPEHETLVFK (SEQ ID NO:08)

Human DC2 nucleic acid sequence

CGTGGGTGCAGGCTGCAGTGGCTGGCGCCGTCTCGCCCGGCCAGGCCATGAAGGTAGAGTTGCACCGCTC
AACATCCAGCTGGCGCGGCCGTGCAGACGGTGGCCGTGCAGTGGTCCCTTTCTTACAGGGCCG
ATGTCATTGAAATCACTGTGATGCTGATCATACACAACATTGTTCTTACATCCCTATTGATGTGG
CTTTACTTGACTGGCATACCCAGAGCGAGGAGGAGATCCAGCTGGATCAAATTGGACTCTTGG
AAACACTTAAGGACTATTCCAATTCATCTTATCAAACACTCAAGATTGGATCCAAGTCACAACATATA
TTGGGTTTACCCCATGGAATAATGGCAGTTGGAGCCTTGGGAATTCTGTAATTATTCTGACTTC
AAGGACCTGTTCTGGCTTACTTCATATCTCACGTGCTGCCACTTGGTCTGGTCTGTCTTCA
GAATATGTGATGAGTGGTGGCTGGTTCAAGAAAAGTGTGCTACATGTAAGCAAGGAGGGA
GGTGGAAACATCTGTCAATTGCTTGGGGTGCAAAAGAATCACTGGATGCTCATCTGGAAAGTTCACT
CTGTTCATCCGCCAGCGGAAAGGATTGTTAAATTGCTTGAACCATGGCGCCTCTGGTCCAGTGGTT
TCTTTGGTGAAGAATGAACTGTTAAACAAACTGACAACCCGTGAAGGATCATGGATTAGAACTGTTCA
AAACTGCAAGAGATCATGGGGTTGCTTGCCTGTTCATGCCAGGGAGTTTCAGTACAATTGGC
CTAATGACCTATAGGAAAGCCATCCACACTGTTGGCCGCCGATCCCTGTCAGACTCTGAACCCG
ACCCAGGAGCAGATTGAGGAGTTACATCAGACCTATATGGAGGAACCTAGGAAATTGTTGAGGAACACAAA

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FIG. 8B

Mouse DC3 amino acid sequence (partial sequence, about 100 amino acids gap in the center of the protein)

MKTEHLQSLSLQWPLSYVAMFWIVQPLLICLLFTPLWPLPTVYFWLWLDWKTPDKGGRSDWVRNWNV
WNHIRDYFPITILKTKDLSPENYIMGVPHGLLTFGAFCNFCTEATGFSKTFPGITPHLATLSWFFKIP
IIRDYIMAKGLCSVQSQASIDYLLSHGTGNLVGIPPIITVVGAEALPLPVKNPSPEIVDKYHALYMDALYKL
FEQHKVQYQGCSNTQKLIFL (SEQ ID NO:10)

Mouse DC3 nucleic acid sequence (partial sequence, about 100 amino acids gap in the center of the protein)

TTACCTCCCTCAGGGCCTGGGCATCATGCTTGCTATGAAGACTGAACACTTACAGAGTCTGAGCCTTC
TGCAGTGGCCCTTGAGCTACGTGCCATGTTGGATTGTGCAGCCATTGTAATTGCCATTGTCACAC
CCTTGTGGCGCTACCAACAGTTACTTTGCTGGTACTTCTCGACTGGAAGACTCCAGATAAAGGTGGCA
GGCGTTCAAGACTGGGTACGGAACCTGGAAATGTCTGGAACCATCAGGGACTATTCCTCCATTACAATCCTGA
AGACTAAGGACCTGTACCTTCAGAGAACTACATCATGGGGTCCACCCATNGGTCTCCTGACCTCGGTG
CCTTCTGCAACTTCTGCACTGAGGCCACAGGCTCTCGAAGACCTTCCCAGGCATCACTCCTCACTGGCCA
CAC (SEQ ID NO:09)

Human DC3 amino acid sequence

MAFFSRLNLQEGLQTFFVLQWIPVYIFLVWILQPLFVYLLFTSLWPLPVLYFAWLFLDWKTPERGGRRSA
WVRNWCWVTHIRDYFPITILKTKDLSPEHNYLMGVPHGLLTFGAFCNFCTEATGFSKTFPGITPHLATL
SWFFKIPFVREYLMAKGVCVSQAINYLLSHGTGNLVGIVVGVGEALQSPNTTLLILQKRKGFVRTA
LQHGAYLVPYSYSFGENEVFNQETFPEGTWLRFQKTFQDTFKKILGLNFCTFHGRGFTRGSWGFLPFNRP
ITTVVGEPLPIPRIKRPNQKTVVDKYHALYISALRKLFDQHKVEYGLPETQELTIT (SEQ ID NO:12)

Human DC3 nucleic acid sequence

ATCAACTCAGCTTAAGAAGTTTGGCCTCTGGTTAGGCTTGCACAAACAGAACAGCACCATAACCATG
GCTTCTTCTCCGACTGAATCTCAGGAGGGCCTCCAAACCTCTTGTGCAATGGATCCCAGTCTAT
ATATTTTAGTTGGATCTGCCAGCCATTGTCGTACCTGCTGTTACATCCTGTGGCCGCTGGTAAGG
CTTACTTGCCTGGTTGTTCTGGACTGGAAGACCCAGAGCGAGGTGGCAGGCCTGGCCTGGTAAGG
AACTGGTGTCTGGACCCACATCAGGGACTATTCCTCCATTACGATCCTGAAGACAAAGGACCTATCACCT
GAGCACAACACTACCTCATGGGGTCCACCCATGGCTCCTGACCTTGGCCTCTGCAACTTCTGCACT
GAGGCCACAGGCTCTCGAAGACCTTCCCAGGCATCACTCCTCACTGGCACGCTGTCTGGTTCTCAAG
ATCCCTTGTAGGGAGTACCTCATGGCCAAAGGTGTGCTGTGAGCCAGGCCATCAACTATCTG
CTGAGCCATGGCACTGGCACCTCGTGGCATTGTAGTGGAGGTGTGGGTGAGGCCCTGCAAAGTGTGCC
AACACCAACCCCTCATCCTCCAGAAGCCAAGGGGTTCGTGGCACAGCCTCCAGCATGGGCATACCTT
GTCCTTCATATCCTTGGTGAGAACAGAAGTTCAATCAGGAGACCTTCCCTGAGGGCACGTGGTAAGG
TTGTTCAAAAAACCTTCCAGGACACATTCAAAAAAATCTGGACTAAATTCTGTACCTTCCATGGCCGG
GGCTTCACTCGCGGATCCTGGGCTTGCCTTCAATCGGCCATTACCAACTGTTGGGAAACCCCTT
CCAATTCCCAGGATTAAGAGGCCAAACAGAACAGTAGACAAGTATCACGCACTCACATCAGTGCCCTG
CGCAAGCTTTGACCAACACAAAGTTGAATATGGCCTCCCTGAGACCCAGAGCTGACAATTACATAACAG
GAGCCACATTCCCCATTGATCAACCCCCAAGGCCATGAGGGATCCAAGTAGAGCCACAGAAAAGAAGAATT
CCAGGAGAGGAAAGATCGTAAGGATGAGAGAGGAGACCATCCAAGCCAGAAATTATTAATAATCAGAGT
TCTAGCAATAGAGTCC (SEQ ID NO:11)

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FIG. 8C

Human DC4 amino acid sequence

MLLPSKKDLKTALDVAFQWSFSALLITTVIAVNLYLVVFTPYWPVTVLILTWLAFDWKTPQRGGRRF
TCVRHWRLWKHYSDYFPLKLLKTHDICPSRNYILVCHPHGLFAHGWFGHFATEASGFSKIFPGITPYILT
LGAFFWMPFLREYVMSTGACSVRSSIDFLLTHKGTCGNMVIVVIGGLAECRYSLPGSSTLVLKNRSGFVR
MALQHGVPLIPAYAFGETDLYDQHIFTPGGFVNRFQKWFQSMVHIYPCAFYGRGFTKNSWGLLPYSRPVT
TIVGEPLPMPKIEPNPSQEIVAKYHTLYIDALRKLFDQHKTKGISETQELEII (SEQ ID NO:014)

Human DC4 nucleic acid sequence

AATTCCGGCTTACTCACTATAGGGCTCGAGCGGCCCCGGCAGGTGCCGACTTCATTCCAAGTCTGCAC
ACAATGCAGGCAGTAGCCATGCCATGACAGCCACATGACAGATACTACACCGCTGAATGTGCTCTAACCC
GGACTTGGCATTGCCCTACTGTTGAGGAAGCAGTGCCTTTCTCCAGTCCTTCAGGTCCCTTCAACC
GGAACCATTAACCTGTGCATCAGAACAGAACATTTCTTACATTCTGCAAACACAGTCCTTCAGTT
ACTCTTTTTGAGGGGGGGCGCGGGGAACGGAGTCTCGCTCTGCGCCAGGCTGGAGTGCAATGGTG
CAATCTCAGCTCACTGCAACCTCTGCCCTCCAGGTCCAAGCGATTCTCCTGCCTCAGCCTCCGGTAGC
CGGGACTACAGGCGCCTGCCACACGCCGGCTAATTTGTATTTTAGTAGAGACGAGGTTGCCGT
GTTGGCAGGCTGGCTTGGAAACTCCTGACCTCAGGTGATTTACTCGCCTCGGCCTCCAAAGTGTGG
TTACAGGCATGCCACTGTGCCAGTCACAAGTTTATTTAGCCATTGATAAGTGTGAAGTTCCC
TGATGGCTAATGATGTTCCCTTTCCATGTGCTCATTGTCATCTATGCCAGAGAAGATTGGAGAGGAG
GACGTGAATTGGAGGAAACTGTTCCAGGATTCCCCACCTCTGGTGGCCACCGCTGGCTCACTGCCATT
GACCACACTGCAGGCAGAGCCTAGTGCAGTGCTGGAGCAGGGCCCAGAGAGGGAGAGGCTTACAGTGT
ATTCACTCAGCTGGGAAGAACACCTCCCTCTAGACCTGAATCGGTTCCAAGCAACCACACTGT
ATTGCTGTCAACCTCTACCTGGTGGTTCACACCATACTGGCTGTCACTGTGTTATTCTTACCTGG
TGGCTTTGACTGGAAGACCCCTCAGCGAGGCGGCCGGTTACCTGTGAGGCACTGGCGCCTGTG
GAAACACTACAGCGATTATTCCTCTCAAGCTCTGAAGACTCATGACATCTGCCAGCCGCAACTAC
ATCCTCGTCTGCCACCCCTCATGGCCTTTGCCCAGGATGGTTGGCCACTTGCCACAGAGGCTCAG
GCTTCTCCAAGATATTCCTGGCATCACCCCTACATACTCACACTGGGAGCCTTTCTGGATGCC
CCTCAGAGAATATGTAATGTCTACAGGGCCTGCTGTGAGTCGATCCTCATTGACTTCTGCTGACT
CATAAAGGCACAGGAACATGGCATTGTGGTGGACTGGCTGAGTGCAAGATACAGCCTGCCAG
GTTCTTCTACCTGGTGTGAAGAACCGGTCTGGTTGTGCGCATGGCCCTTCAGCATGGGTGCCTCT
AATAACCTGCCTATGCCCTTGGGAGACGGACCTCTATGATCAGCACATTCACTCCGGTGGCTTGT
AACCGCTCCAGAAGTGGTCCAGAGCAGTGGTACACATCTACCCCTGTGCTTCTATGGACGTGGCTTCA
CCAAGAACTCCTGGGCCTTCTGCCCTATAGTCGGCCTGTAACCACCATCGTCGGGAGCCTCTACCAAT
GCCCAAGATTGAGAATCCAAGCCAGGAGATCGTGGCTAAATATCACACACTCTATATTGATGCC
AAACTGTTGACCAGCATAAGACCAAGTTGGTATCTCAGAGACCCAGGAGCTGGAGATAATTGACAGA
CATCCCCAGTAGCCTTCACCCCTGGCTGGAAGGTATGGATGGACCCAGTGAGA (SEQ ID NO:013)

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FIG. 8D

Human DC5 amino acid sequence

MVEFAPLFVPWERRLQLTAVLQFVFSFLALGKICTVGFIAALLFTRFWLLTVLYAAWWYLDRDKPRQGGRH
IQAIRCWTIWKYMKDYFPQLVKTAELDPSRNYIAGFPHGVLAvgAFANLCTESTGFSSIFPGIRPHLM
MLTLWFRAPFFRDYIMSAGLVTSEKESAAHILNRKGGGNLLGIIVGGAQEALDARPGSFTLLLNRKGKV
RLALTHGAPLVPIFSGENDLFDQIIPNSSGSWLRYIQNRLQKIMGISLPLFHGRGVFQYSFGLIPYRRPI
TTVGKPIEVQKTLHPSEEEVNQLHQHYIKELCNLFEAHKLKFNI PADQHLEFC (SEQ ID NO:16)

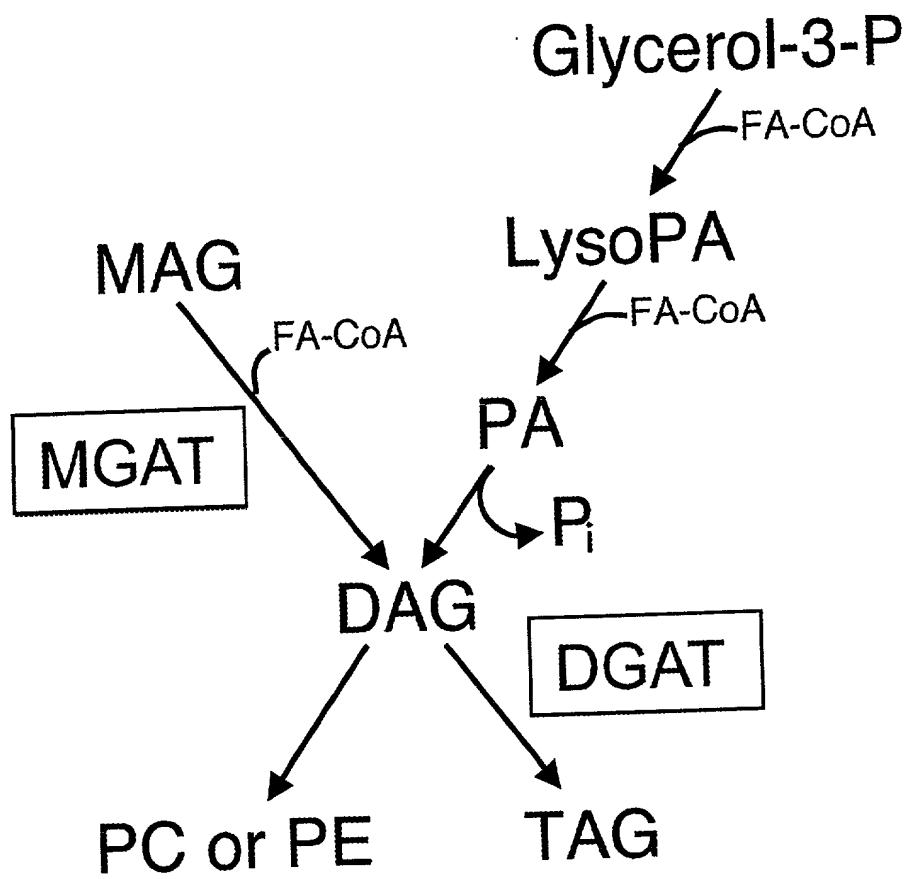
Human DC5 nucleic acid sequence

CCACAGCAGAGCTCACAGAACCTGCGGGAGGCCAGGCTGACCCGCCAGCATGGTAGAGTTCGGCCCTTGT
GTGCCGTGGGAGCGCAGGCTGCAGACACTTGCTGTCCTACAGTTGTCTTCCTTCTGGCACTGGTAAG
ATCTGCACTGTGGCTTCATAGCCCTCCTGTTACAAGATTCTGGCTCCTCACTGTCTGTATGCGGCCTGG
TGGTATCTGGACCGAGACAAGCCACGGCAGGGGGCGGCACATCCAGGCCATCAGGTGCTGGACTATATGG
AAGTACATGAAGGACTATTTCCCCATCCAGCTGGTCAAGACTGCTGAGCTGGACCCCTCTCGGAACACTACATT
GCGGGCTTCCACCCCCATGGAGTCCTGGCAGTCGGAGCCTTGCAACCTGTGCACTGAGAGCACAGGCTTC
TCCTCGATCTCCCCGGTATCCGCCCCATCTGATGATGCTGACCTTGTGGTTCCGGGCCCCCTTCAGA
GATTACATCATGTCTGCAGGGTTGGTCACATCAGAAAAGGAGAGTGTGCTCACATTCTGAACAGGAAGGGT
GGCGGAAACTTGCTGGCATATTGTAGGGGGTGCCTGGAGGAGCCCTGGATGCCAGGCTGGATCTTCACG
CTGTTACTGCGGAACCAGAAAGGGCTTCGTCAAGGCTGCCCTGACACACGGGGCACCCCTGGTGCCAATCTC
TCCTTCGGGGAGAATGACCTATTGACAGATTCCCAACTCTTCTGGCTCTGGTTACGCTATATCCAGAAT
CGGTTGCAGAAGATCATGGGCATCTCCCTCCACTCTTCATGCCGTGGTCTTCAGTACAGCTTGTT
TTAATACCTACCGCCGGCCCATCACCACGTGGGGAAAGCCCCTGAGGTACAGAAGACGCTGCATCCCTCG
GAGGAGGAGGTGAACCAGCTGCACCAGCATTATATCAAAGAGCTGTGCAACCTCTCGAGGCCACAAACTT
AAGTTCAACATCCCTGCTGACCAGCACTGGAGTTCTGCTGA (SEQ ID NO:15)

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FIG. 9



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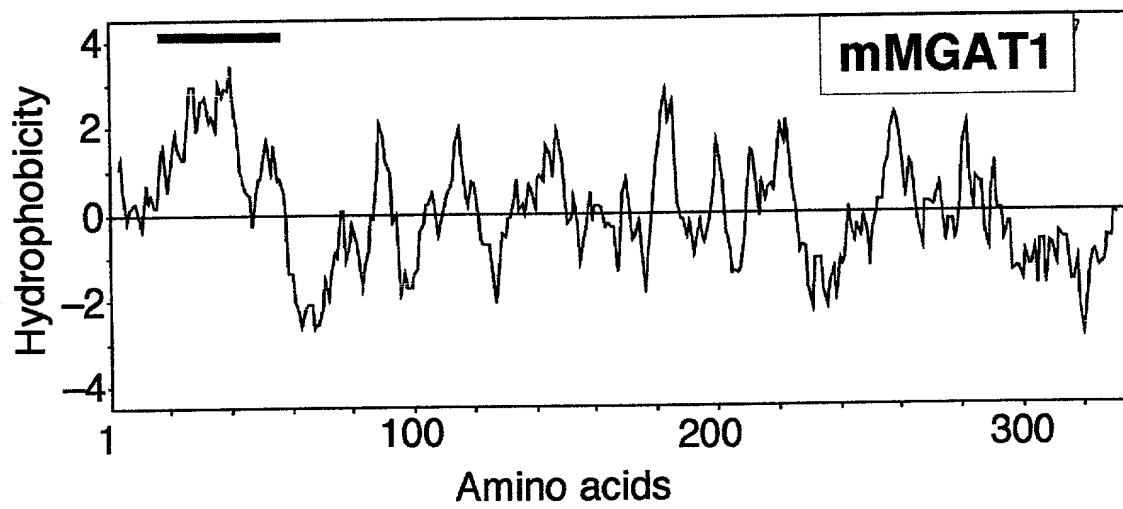
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FIG. 10A

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FIG. 10B



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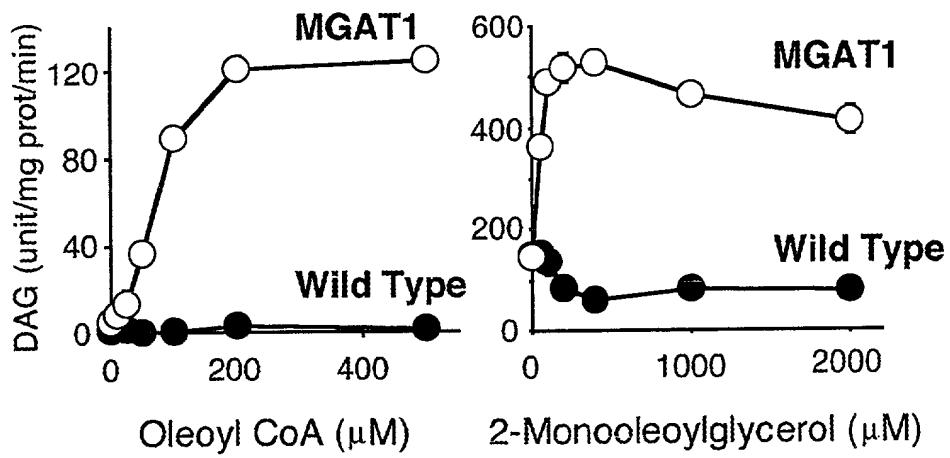


FIG. 11

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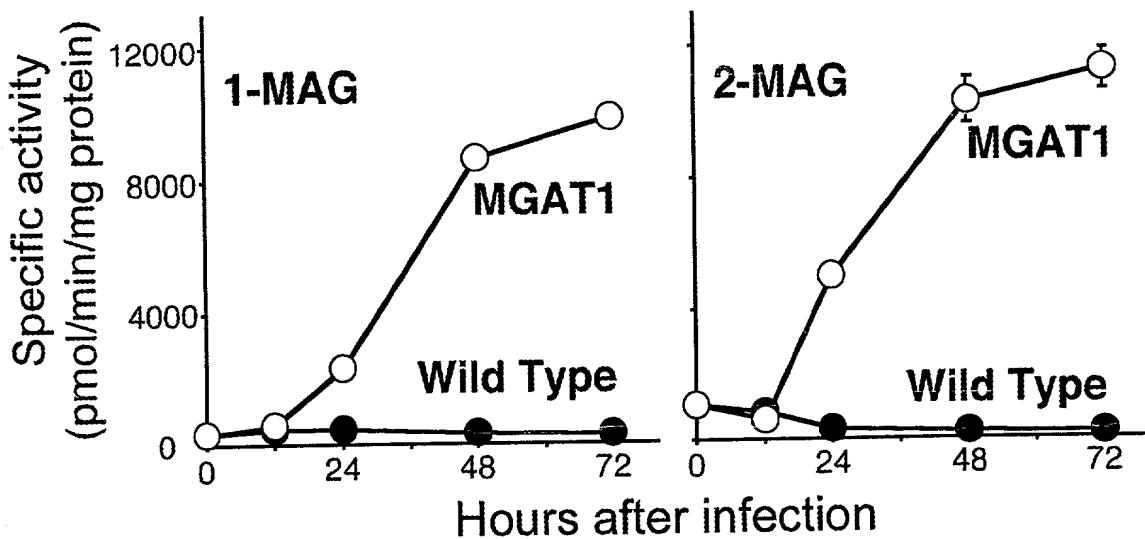


FIG. 12

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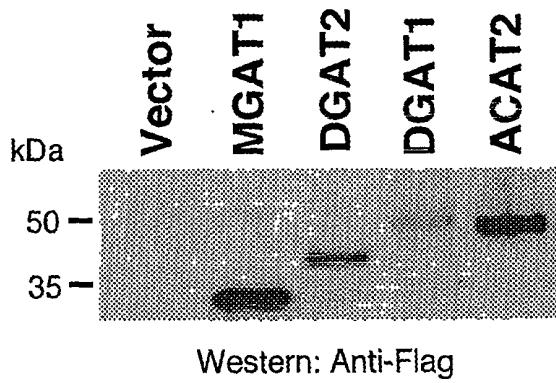


FIG. 13

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FIG. 14

